

DAFTAR ISI

ABSTRAK.....	ii
<i>ABSTRACT</i>	iii
KATA PENGANTAR.....	iv
DAFTAR ISI.....	vi
DAFTAR GAMBAR	ix
DAFTAR TABEL	x
DAFTAR FORMULA	xi
DAFTAR LAMPIRAN.....	xii
BAB I PENDAHULUAN.....	1
1.1 Latar Belakang.....	1
1.2 Rumusan Masalah.....	2
1.3 Tujuan Penelitian	2
1.4 Batasan Masalah	3
1.5 Manfaat Penelitian	4
1.6 Kerangka Pemikiran Penelitian.....	4
1.7 Sistematika Penulisan	6
BAB II KAJIAN LITERATUR.....	7
2.1 <i>State of the Art</i>	7
2.2 Landasan Teori.....	14
2.2.1 Peramalan (<i>Forecasting</i>).....	14
2.2.2 <i>Artificial Intelligence</i> dan <i>Machine Learning</i>	15
2.2.3 Deret Waktu (<i>Time Series</i>)	15
2.2.4 <i>Autoregressive Integrated Moving Average</i> (ARIMA)	16
2.2.5 Pusat Perbelanjaan (Mal)	17
2.2.6 Stasioneritas	17
2.2.7 Uji <i>Rolling Statistic</i>	17
2.2.8 Uji ADF.....	18
2.2.9 Fungsi ACF dan PACF.....	18
2.2.10 Metode Deteksi Anomali	19
2.2.11 Arah Anomali.....	22
2.2.12 <i>Threshold</i>	23
2.2.13 Metode Imputasi Anomali.....	25
2.2.14 CRISP-DM.....	26
2.2.15 Model Evaluasi	27

BAB III METODOLOGI PENELITIAN.....	29
3.1 <i>Business Understanding</i> / Pemahaman Bisnis	30
3.1.1 <i>Determine Business</i>	31
3.1.2 <i>Asses Situation</i>	31
3.1.3 <i>Determine Data Mining Goals</i>	31
3.1.4 <i>Plan Active</i>	31
3.2 <i>Data Understanding</i> / Pemahaman Data	32
3.2.1 <i>Collect Initial Data</i>	32
3.2.2 <i>Describe Data</i>	33
3.2.3 <i>Explore Data</i>	33
3.3 <i>Data Preparation</i> / Persiapan Data	33
3.4 <i>Modeling</i> / Pembatas Model	35
3.4.1 <i>Select Modelling Technique</i>	35
3.4.2 <i>Build Model</i>	36
3.4.3 <i>Generate Test Design</i>	38
3.5 <i>Evaluation</i> / Evaluasi	39
3.5.1 <i>Evaluate Result</i>	39
3.5.2 <i>Determine Next Step</i>	39
3.6 <i>Deployment</i> / Pemasangan	40
3.6.1 <i>Deployment Plan</i>	40
3.6.2 <i>Produce Final Report</i>	40
BAB IV HASIL DAN PEMBAHASAN	41
4.1 Hasil dan Pembahasan Rumusan Masalah 1	41
4.1.1 Hasil <i>Business Understanding</i>	41
4.1.1.1 <i>Determine Business</i>	41
4.1.1.2 <i>Asses Situation</i>	42
4.1.1.3 <i>Determine Data Mining Goals</i>	42
4.1.1.4 <i>Plan Active</i>	42
4.1.2 Hasil <i>Data Understanding</i>	43
4.1.2.1 <i>Collect Initial Data</i>	43
4.1.2.2 <i>Describe Data</i>	43
4.1.2.3 <i>Explore Data</i>	44
4.1.3 Hasil <i>Data Preparation</i>	45
4.1.3.1 <i>Data Collection</i>	45
4.1.3.2 <i>Data Cleaning</i>	45
4.1.3.3 <i>Data Integration</i>	48

4.1.4	Hasil <i>Modelling</i>	48
4.1.4.1	<i>Select Modelling Technique</i>	49
4.1.4.2	<i>Build Model</i>	50
4.1.4.3	<i>Generate Test Design</i>	52
4.2	Hasil dan Pembahasan Rumusan Masalah 2	55
4.2.1	Hasil <i>Evaluation</i>	55
4.2.1.1	<i>Evaluate Result</i>	61
4.2.1.2	<i>Determine Next Step</i>	63
4.2.2	Hasil <i>Deployment</i>	64
4.2.2.1	<i>Deployment Plan</i>	64
4.2.2.2	<i>Produce Final</i>	65
BAB V	KESIMPULAN DAN SARAN.....	66
5.1	Simpulan	66
5.2	Saran	67
DAFTAR PUSTAKA		68
LAMPIRAN		73
DAFTAR RIWAYAT HIDUP		89

